

**PROTON CONDUCTING MATERIAL AND METHOD FOR PREPARING THE SAME,
AND ELECTROCHEMICAL DEVICE USING THE SAME**

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Abstract of WO0106519

A proton conducting material which comprises a base material comprising a carbonaceous material having carbon as a main component and, introduced into the base material, a group capable of dissociating a proton. In the proton conducting material, a proton moves via the group capable of dissociating a proton, and the conductivity for anion is greater than that for an electron. As the carbonaceous material, use is made of a carbon cluster such as a fullerene and a tubular carbon (so-called carbon nano-tube), a carbonaceous material having a diamond structure and the like.

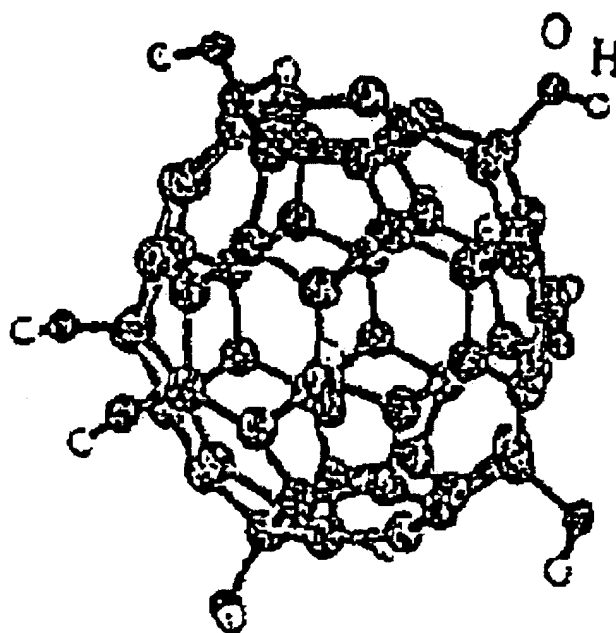


FIG.1A

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